

Screening of Protein Libraries by Anchor Less Display (ALD) and FACS

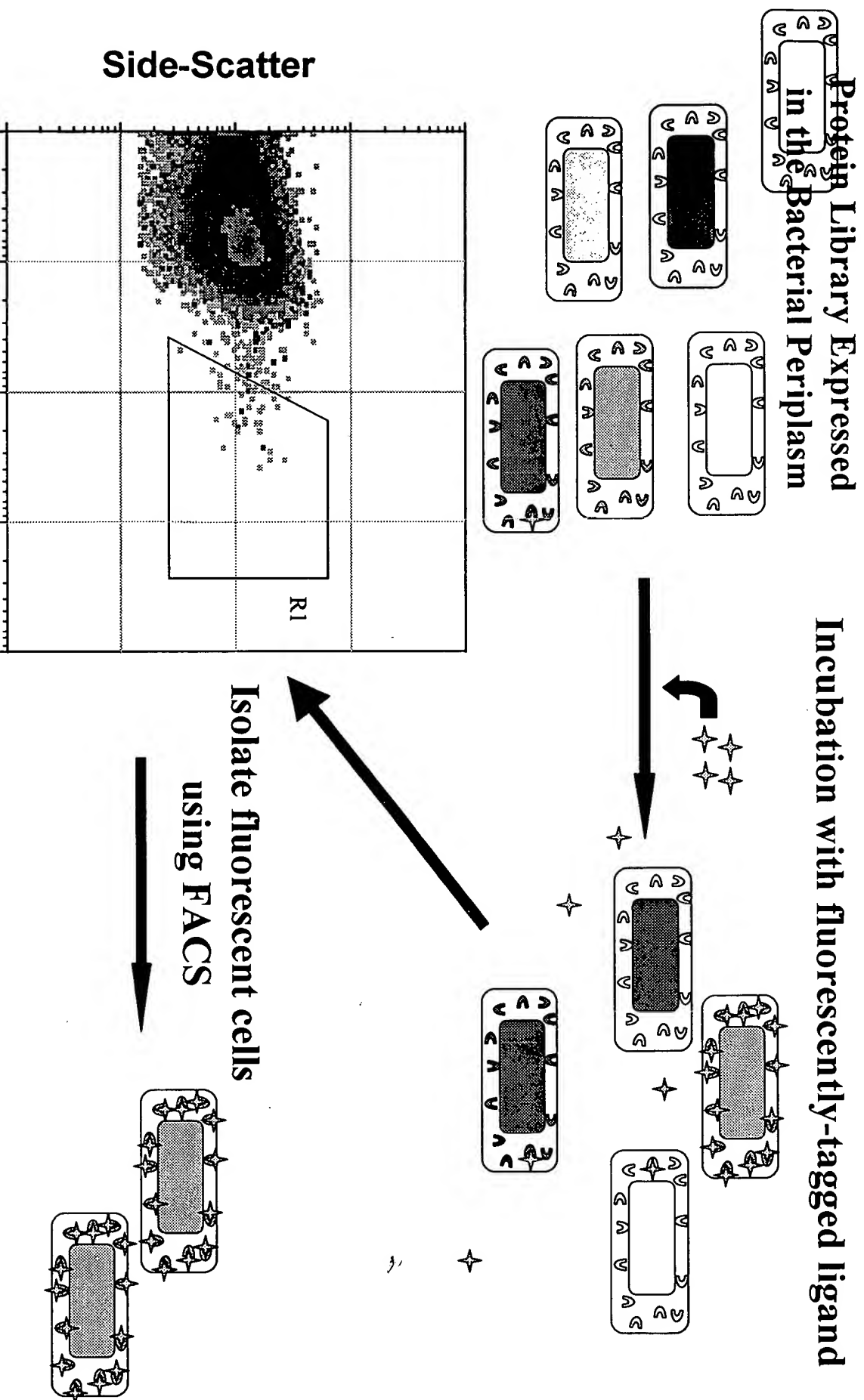
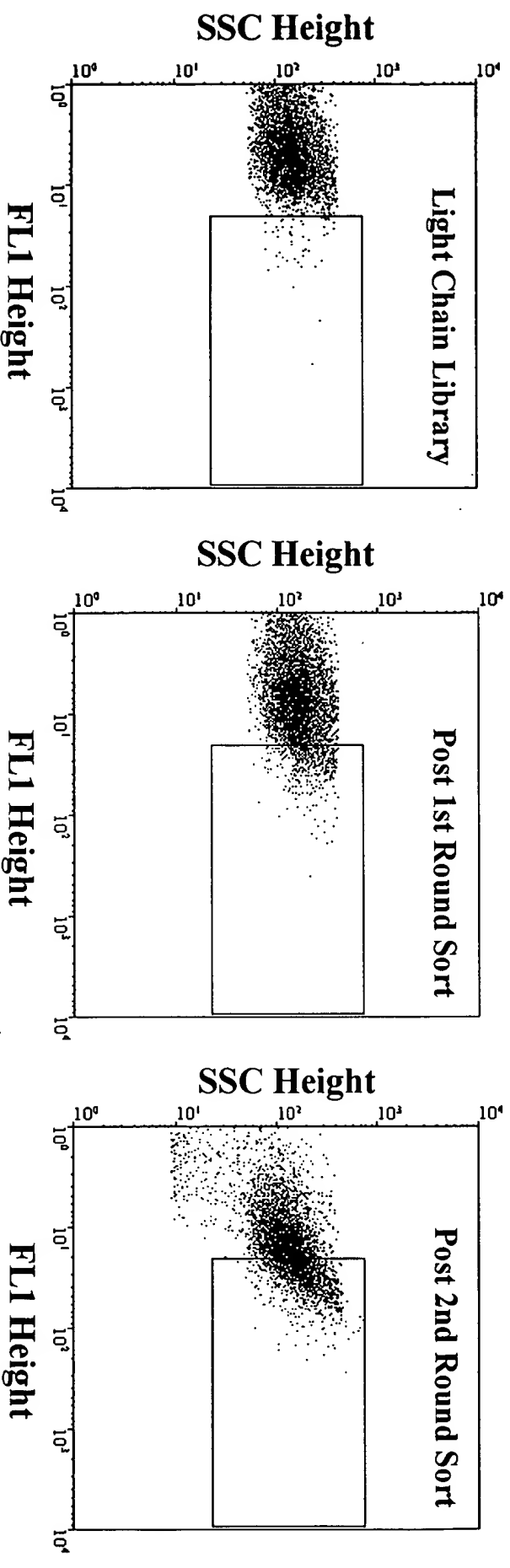


FIG. 1

Isolation of Affinity Improved Mutants by Two Rounds of Sorting



Size of the library = 2×10^6 transformants

FIG. 2

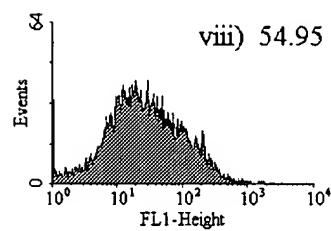
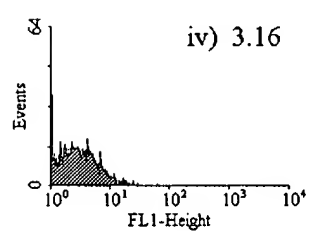
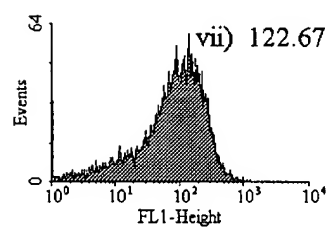
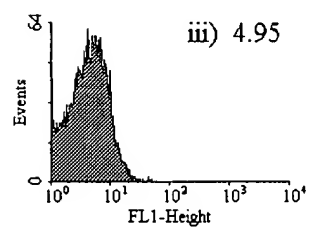
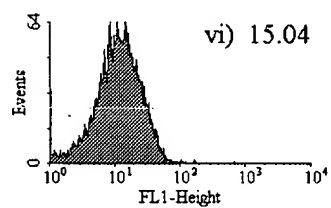
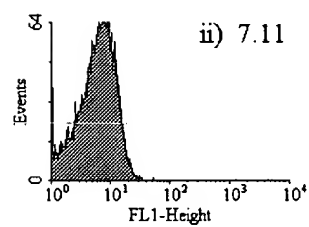
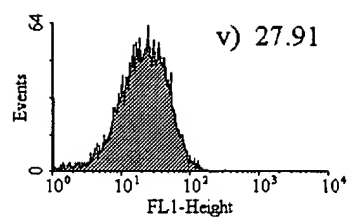
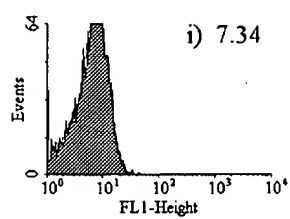


FIG. 3

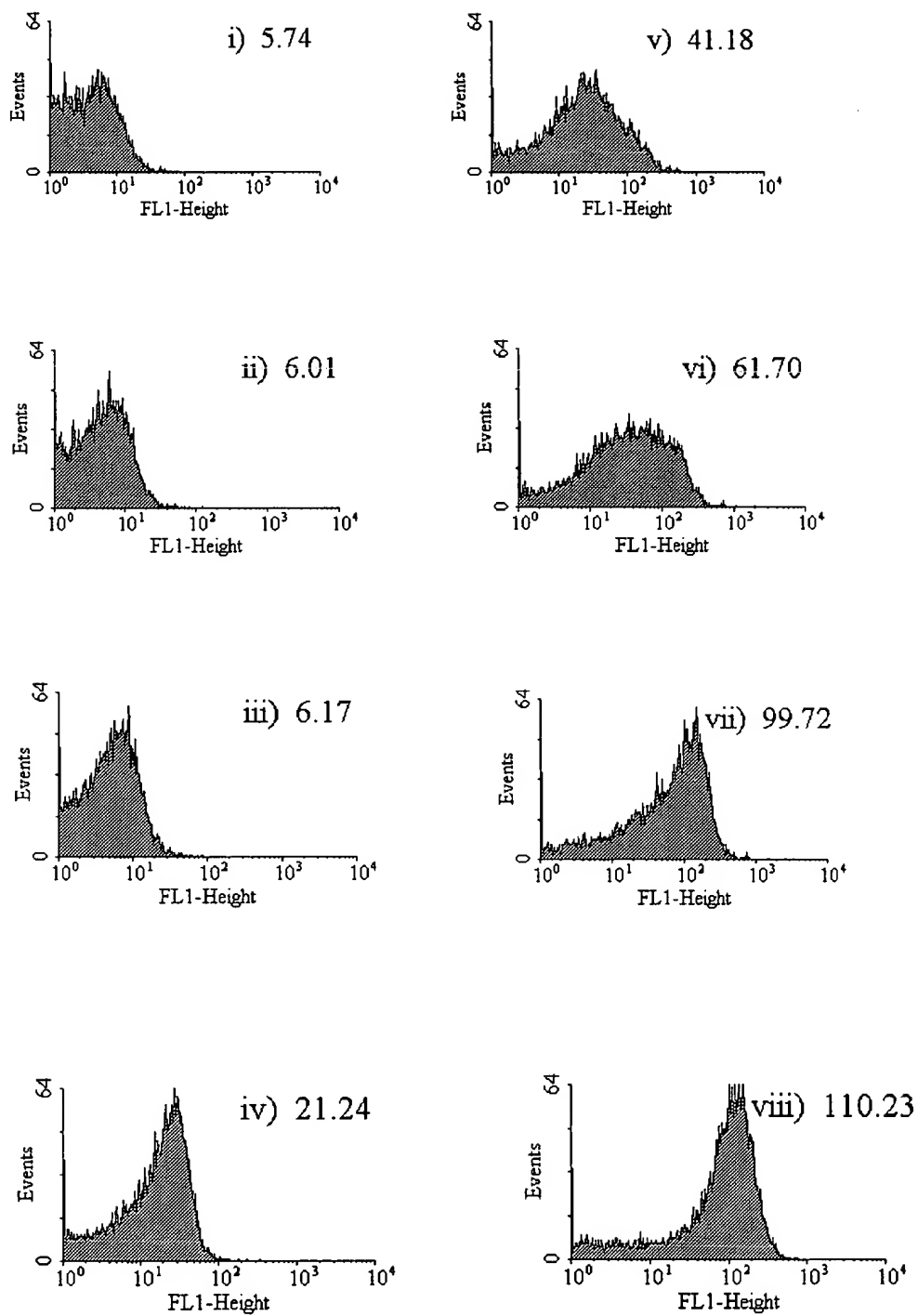


FIG. 4

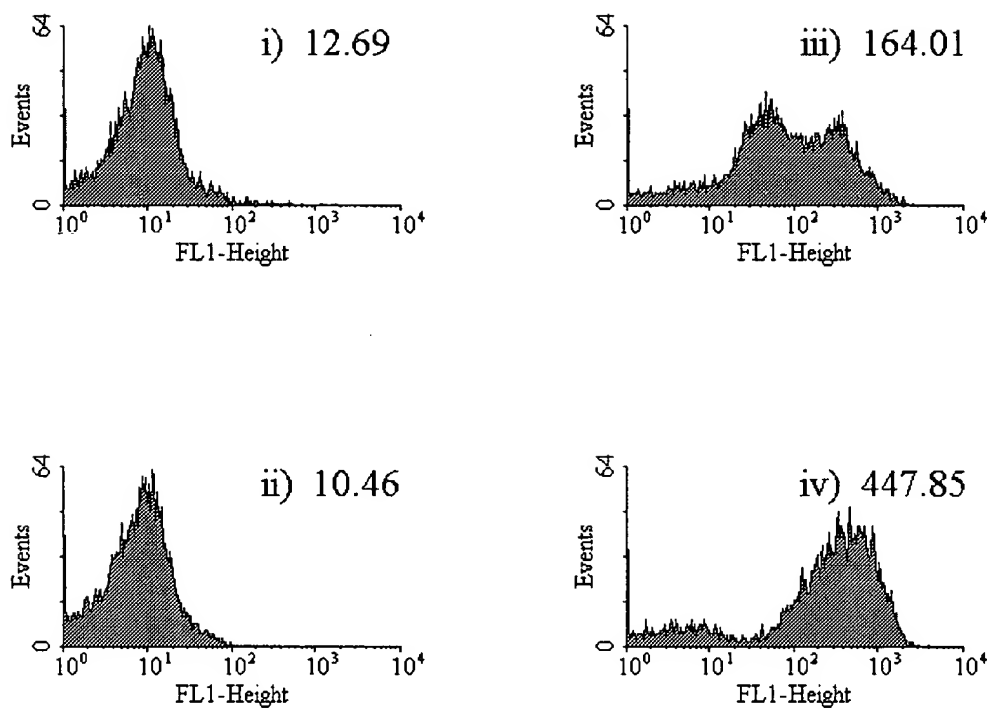


FIG. 5

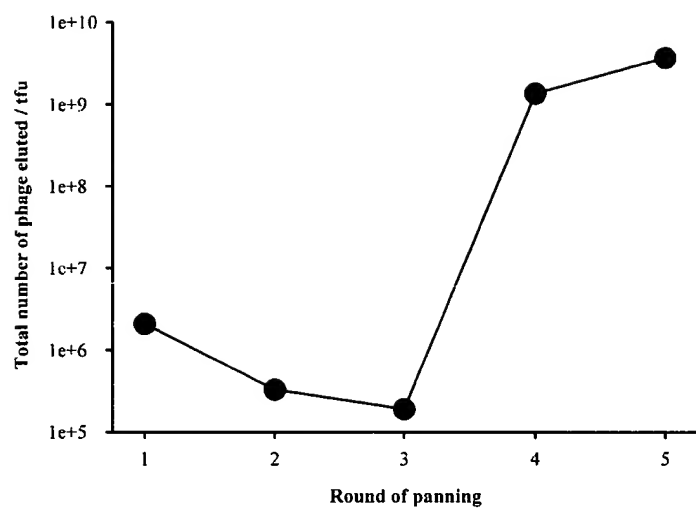


FIG. 6A

002207-2206300

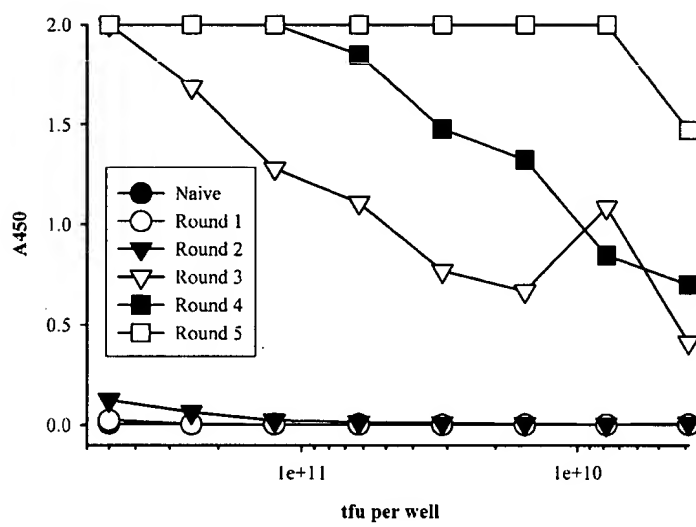


FIG. 6B

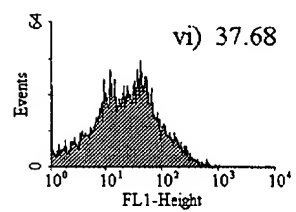
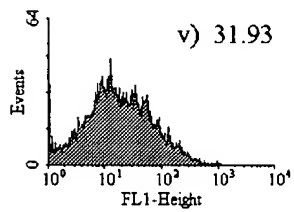
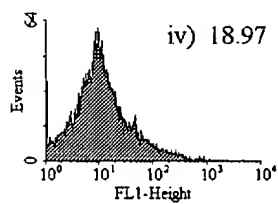
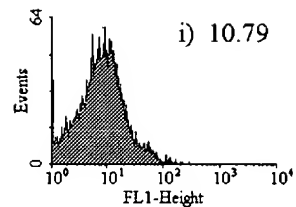
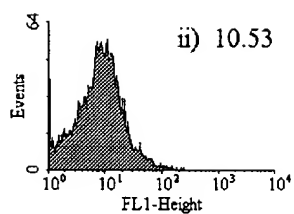
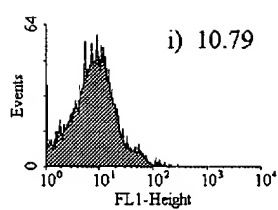


FIG. 6C

THE UNIVERSITY OF CHICAGO

G AG GG G GCT GTC T A G C GA
 ValGlu GlyGlyGlyLeuVal Gly Arg

40 52a

GlnMetProGlyLysGlyLeuGluTrpMetGlyIleIleTyrProGlyAspSerAsp
CAGATGCCCGGGAAAGGCCTGGAGTGGATGGGGATCATCTATCCTGGTGACTCTGAT
GCT A G G G TTCATAC TAG AG A GTAGTACC
Ala ValSerTyr SerSerSerGly Thr

CDR2 70
 ThrArgTyrSerProSerPheGlnGlyGlnValThrIleSerAlaAspLysSerIle
 ACCAGATACAGCCCGTCCTTCCAAGGCCAGGTCACCATCTCAGCCGACAAGTCCATC
TATAC GCAGAC TG GA G GAT CAGG CG AG
IleTyr AlaAsp ValLys ArgPhe Arg AsnAlaLys

80 82a b c 90

SerThrAlaTyrLeuGlnTrpSerSerLeuLysAlaSerAspThrAlaValTyrTyr
AGCACCGCCTACCTGCAGTG GAGCAGCCTGAAGGCCTCGGACACGGCCGTGTATTAC
A T ACTG T AAT A GA GA
AsnSerLeu MetAsn Arg Glu

 CDR3 110
 CysAlaArgAlaSerProSerGlyPheAspTyrTrpGlyGlnGlyThrLeuValThr
 TGTGCAAGAGCTTCTCCTTCGGGGTTTGACTATTGGGGCCAAGGTACCCTGGTCACC
 ACGGG TT C
 ThrGlyPhePro
 A G AT
 ThrTyr

FIG. 7A

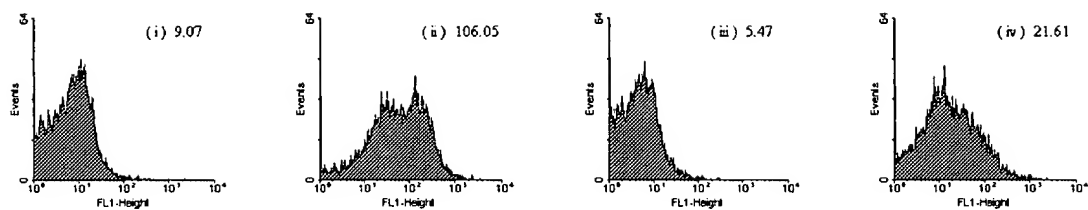


FIG. 8

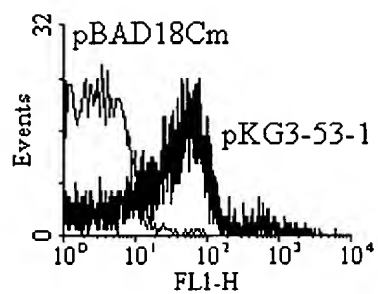


FIG. 9A

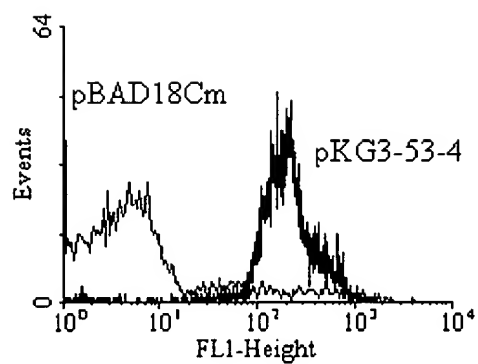


FIG. 9B